

IN THE CLAIMS

Please amend the claims as follows:

1. (original) An activity monitor comprising:

a measurement unit including a plurality of motion sensors, operable to produce respective sensor signals indicative of motion experienced thereby; and

a processor for receiving the sensor signals from the measurement unit and operable to process the signals in accordance with a predetermined method,

characterised in that the measurement unit has a single output channel and is operable to output the sensor signals in turn on the output channel.

2. (original) An activity monitor as claimed in claim 1, wherein the motion sensors are accelerometers.

3. (currently amended) An activity monitor as claimed in claim 1 or 2, wherein the motion sensors are arranged to be mutually orthogonal.

4. (currently amended) An activity as claimed in claim 2~~or 3~~, wherein the processor is operable to sample the output channel of the measurement unit discontinuously in time.

5. (currently amended) An activity monitor as claimed in ~~any one of claims 1 to 4~~claim 1, wherein the measurement unit is operable to operate the output channel discontinuously in time during output of each motion sensor output signal.

6. (original) A method of monitoring activity using a plurality of motion sensors which are operable to produce respective sensor signals indicative of motion experienced thereby, the method comprising receiving sensor signals and processing the signals in accordance with a predetermined method, characterized in that the sensor signals are monitored in turn via a single channel.

7. (original) A method as claimed in claim 6, wherein the output of the single channel is monitored discontinuously in time.

8. (original) A method as claimed in claim 6, wherein the sensor signals are produced discontinuously in time.